

**Amendments to the Specification**

Please add the following new paragraphs on new page 38, which is also included with this Amendment as a new page for insertion into the application:

**ABSTRACT OF THE DISCLOSURE**

The invention relates to a method of controlling the temperature of a specimen by using induction heating. The specimen is either fixed to a carrier or is in liquid form in contact with a carrier with fixed capture probes. The carrier is removably placed in, on, or under a support member comprising a conducting material, and the method comprising a step of subjecting the solid support to an oscillating magnetic field. The invention also relates to the solid support member in combination with a carrier and the use of it. The specimen is preferably a biological specimen and the carrier and support member are preferably a microscope slide and a cartridge, respectively. In a second aspect, the invention relates to a method of controlling the temperature of a specimen or a capture probe for a specimen fixed onto micro beads, the beads being sufficiently small to be flowable in a liquid fluid, preferably water or a specimen in liquid form. The beads comprise electrically conducting material and are placed in a liquid, and the method includes the step of carrying the micro beads through an oscillating magnetic field for generating heat.